

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

9 MARCH 1978

PRELIMINARY OPERATING BUDGET, 1978-79

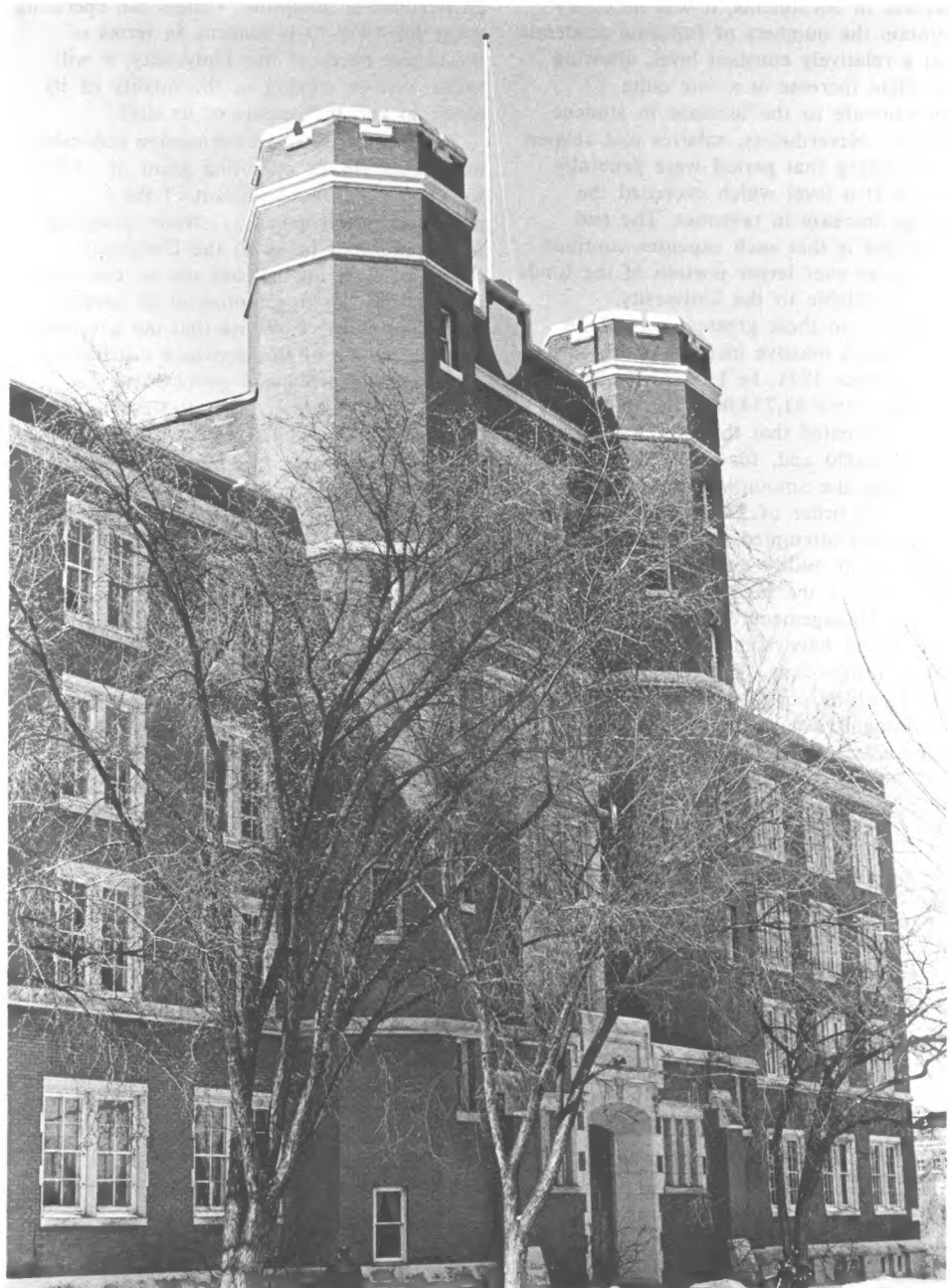
A major topic for discussion at the meeting of the Board of Governors on Friday, 3 March, was the Preliminary Operating Budget for 1978-79 that was presented by the Board's Finance Committee. From an initial projection of revenues and expenditures for the fiscal year commencing 1 April 1978, it appeared that there would be a shortfall of approximately \$6,200,000—a shortfall of such magnitude that, unless extreme remedial action were taken, the University as a whole would suffer severe dislocations in its day-to-day operations.

The Finance Committee, therefore, presented several recommendations for the Board's approval that would, if accepted, eliminate the shortfall. While it was recognized, however, that the recommendations would cause some concern and certainly some problems both to staff and students, it was agreed that, in this case, the medicine might be less deleterious than the disease. The recommendations presented to the Board were as follows:

1. That the 1978-79 Preliminary Operating Budget provide for a total net expenditure of \$126,995,000 and revenue of \$125,995,000.
2. That a 10 percent increase in tuition fees become effective from 1 September 1978, subject to the approval of the Minister of Advanced Education and Manpower.
3. That an increase of 10 percent be applied to the University Health Service fee.
4. That \$1,000,000 be transferred from the Unallocated Interest, Dividends and Capital Gains and Losses account to the general revenue.
5. That a formal position control procedure be established.

In support of these rather drastic measures, which included a proposed general tax of 10 percent to be levied on all accounts except salary accounts, several documents were presented for the Board's consideration: a memorandum from Professor Leitch, Vice-President (Finance and Administration), correspondence between the Chairman of the Board, E.A. Geddes, and the Minister of Advanced Education and Manpower, and the University's submission to the Minister concerning the 1978-79 operating grant.

In these documents a rather gloomy picture appeared of the provincial government's



Renovations to St. Stephen's College are now underway. There will be no major structural changes to the facade of the building except for the removal of the old metal fire escapes which were erected in the 1940s. The removal of the fire escapes and the construction of a spur tunnel to connect St. Stephen's College with the University's utilities tunnel will be undertaken immediately. Architects are presently working on interior design changes to the College. The future occupants of the building will be the Historical Resources Division of Alberta Culture.

support of the operating costs of this institution since 1971. From that year to the present, with the exception of only one year, the University received an operating grant less than the corresponding increase in the inflation rate. For much of that period the University was not allowed to increase tuition fees with the result that, despite an increase in enrolments, it was necessary to maintain the numbers of full-time academic staff at a relatively constant level, allowing only a slight increase at a rate quite disproportionate to the increase in student enrolments. Nevertheless, salaries and related expenses during that period were generally negotiated at a level which exceeded the percentage increase in revenues. The end result of this is that such expenses continue to take up an ever larger portion of the funds generally available to the University.

In addition to these greater costs, there has also been a massive increase in the cost of utilities since 1971. In 1971-72 the cost of utilities was some \$1,734,000. In the current year it is estimated that this cost will be some \$6,142,000 and, for 1978-79, it is expected that the amount spent on utilities will be in the order of \$7,270,000. Had the University not attempted to inhibit this alarming rise in utility expenses by the establishment of the highly effective Office of Energy Management, such a quantum increase would have taken on even more disastrous proportions. (For example, the rise in utility costs since 1971-72 by itself is roughly equivalent to the total operating costs of the Faculty of Engineering in 1977-78.)

Under such financial constraints, therefore, it is quite apparent that the

University has reduced and must continue to reduce expenditures in every other area. As was stated in the University's submission to the provincial government, "The essence of the Alberta case is that every facet of [the University's] operations has been squeezed to the point where academic programs are suffering and support services have reached an irreducible minimum. Unless the operating grant for 1978-79 is realistic in terms of the urgent needs of this University, it will suffer further erosion in the quality of its offerings and the morale of its staff."

The University in its submission requested an increase in its operating grant of 15.3% for 1978-79. Fully cognizant of the provincial government's restraint program first announced in 1975, the University requested such an increase not to enhance its offerings but to maintain at its present level the quality of service that the government and the people of this province justifiably demand. The provincial government has advised the University that the actual increase will be \$8,470,000 or 8.25 percent.

In preparing the Preliminary Operating Budget proposal for 1978-79 several assumptions were made in light of the support announced by the government. Firstly, the University's projected revenues were estimated on the basis of the 8.25 percent increase, a full-time student enrolment of 19,360, interest rates on University investments remaining approximately at current levels, and a \$100,000 per annum direct contribution from the President's NRC grant to be used for purposes specified by the NRC. Secondly, expenditures for 1978-79 were estimated according to the following conditions: (a) adjustments for members of the full-time academic and non-academic staffs and other staff groups to whom the University has continuing contractual commitments; (b) no adjustments in amounts provided for sessional appointees who are not in the bargaining group, graduate assistants, or part-time, hourly and casual employees; (c) formula increases for pensions; (d) legislated increases for Unemployment Insurance and Workers' Compensation; (e) an anticipated 18.4 percent increase in the cost of utilities; (f) no increase in the amounts provided for supplies and services. These projected expenditures make no allowance for staff increases.

Also, while it was observed that there was an operating surplus at the end of the last fiscal year amounting to \$3,528,000 or 1½ week's net expenditures, it was also noted that there will be an operating deficit in the order of \$1,859,000 on 31 March 1978, the end of the current fiscal year. Thus, the best estimate of the operating surplus as of 31 March 1978 is merely \$1.5 million

(plus or minus \$200,000). A finer line between solvency and financial disaster is hard to imagine for an institution whose sheer size, in terms of population, is equivalent to one of the larger towns in this province.

Given these assumptions, therefore, and given the two basic assumptions underlying the Preliminary Operating Budget proposal that enrolments will remain relatively stable and that increases in grants and tuition fees will *at best* correspond with the rate of inflation, it was considered mandatory in the documents supporting the recommendations of the Finance Committee that the base budget of the University be balanced and that continuing commitments be limited to an amount no greater than the assured revenues.

In order to obtain such a balance, therefore, adjustments to the base budget were recommended in the *Preliminary Operating Budget, 1978-79* approved by the Finance Committee for presentation to the Board. In view of the significance of these proposed adjustments (already summarized in brief as recommendations of the Finance Committee), they have been extracted *verbatim* from the memorandum prepared by the Vice-President (Finance and Administration) which accompanied and explained the rationale for the *Preliminary Operating Budget, 1978-79*:

Base Budget Adjustments

It is proposed that the \$6,200,000 shortfall be accommodated as follows:

1. Tuition fees

An increase in tuition fees of 10 percent effective 1 September 1978, which could be expected to yield increased revenues of \$1,080,000.

2. Position control

(a) No new positions will be established without the express approval of UPC
(b) Since in excess of 80 percent of net expenditures is committed to salaries and salary-related items, no significant reductions can be realized without reducing expenditures in these accounts. Present control procedures are as follows:

- i. Transfers of funds from salary to non-salary accounts are normally not permitted.
- ii. New permanent positions cannot be created without the express permission of the Vice-President (Academic) for academic positions, or the Vice-President (Finance and Administration) for non-academic positions.
- iii. Should vacant academic positions occur during the year, the Deans may make appointments to fill the positions provided the level is not above the second step of the Assistant Professor.

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

Published every Thursday for the staff and interested persons by the University Publications Office. Copyright 1977.

Jeanette Rothrock, Editor

FOLIO Advisory Committee:
E.D. Hodgson, Professor of Educational Administration
J.W. Carmichael, Professor of Bacteriology
A.A. Ryan, Professor of English
J.K. Lauber, Professor of Zoology and Associate Vice-President (Academic)
A.S. Knowler, Business Manager, Chief Accountant, Office of the Comptroller

Staff: David Chester, Chris Simpson, Bryan Moon (Writers), Sue Nash (Design Editor), Esther Fraser (Production)

FOLIO OFFICE Telephone 432-4991
434 Athabasca Hall, The University of Alberta
Printed by Printing Services
Photographic lab work by Technical Services

Higher entry levels must be approved by the Vice-President (Academic).

- iv. Non-academic staff vacancies may be filled by the department head at or below the established grid level.

In 1976-77, approximately \$3,000,000 of funds allocated for salaries was not expended. Current estimates place the under-expenditure in salary accounts for 1977-78 in the \$1,500,000 range.

It is estimated that "salary savings" in the order of \$3,400,000 must be realized in 1978-79. This will necessitate a more rigorous position control system, which it is proposed will be implemented by the establishment of a committee to be approved by UPC, and to number not more than six members, including the Vice-President (Academic) and the Vice-President (Finance and Administration). Immediately the committee is established, all vacant positions and the funds attached thereto are frozen, and all positions subsequently falling vacant, together with the associated funds, will also be frozen immediately. In addition, the funds attached to any position where the incumbent is on leave at less than full pay (with the exception of sabbatical leave residuals), will be frozen.

No positions or the associated funds may be committed without the approval of the committee. Applications to fill vacant positions, or to utilize the related funds to engage sessionals, etc., will be considered by the committee which may decide to:

- (a) permit the position to be filled; (b) permit the position to be filled by a lesser qualified person; (c) approve a sessional, part-time or hourly appointment as a replacement; (d) approve either (a), (b), or (c), but only on a deferred basis; (e) not approve the filling of the position, or the hiring of a replacement.

New positions, or the elimination of positions, will require the approval of UPC on the advice of this committee.

3. Specific expenditure reductions

- i. Physical Plant expenditure base to be reduced by \$600,000.
- ii. The Library expenditure base to be reduced by \$150,000.
- iii. The Faculty of Extension net expenditure to be reduced by \$35,000.

4. Reduction in the net expenditures of the University Health Service

This would be achieved in large part by the imposition of a 10 percent increase in University Health Service fees; and would be programmed to yield a net reduction of \$25,000.

5. A general tax

This tax, amounting to 10 percent on all

accounts except full-time academic and non-academic and graduate assistant salary accounts, would be applied against all Faculties, support and administrative departments with the exception of those which will be subjected to specific reductions. The only other exemptions would be Technical Services and certain other specific accounts representing contractual commitments.

This tax will yield a further \$1,059,000 of base expenditure reductions.

Summary of Base Budget Adjustments

Tuition increase	\$1,080,000
Salary savings	3,400,000
Physical Plant	600,000
Library	150,000
Extension Faculty	35,000
University Health Service	25,000
General tax	1,059,000
Total	\$6,349,000

The net adjustment figure exceeds the estimated shortfall by approximately \$140,000. This amount is added to the provision for Contingency and Priorities, and recognizes that certain permanent additions to the base will have to be made in fiscal 1978-79.

Phasing-in proposal

It is recognized that an expenditure reduction of the above magnitude could not be attained in a single year without serious and perhaps irreparable dislocations. On the other hand, it is essential that base expenditures be brought into line with revenues.

The proposal is, therefore, that the adjustment to the new base be phased in over two years through the utilization of "soft" funds. These are funds that could be appropriated from various reserves and used to supplement the operating budget on a one-time only basis. . . .

The Preliminary Budget is based on the assumption that \$1,000,000 would be made available in 1978-79. This fund would be allocated by the University Planning Committee generally in accordance with the approved guidelines for the allocation of the Budget Adjustment Fund on the express understanding that support and administrative departments would be eligible. It could, at its discretion, hold an amount for subsequent distribution.

An amount of not less than \$1,000,000 should then be available for the same purpose in 1979-80.

Conclusions

The budget proposal here presented is designed to bring the University's expenditures into line with its revenues over a two-year period. During that two years, the University Planning Committee—with significant

input from the Priorities Committee—will have to develop a base budget which recognizes the University's priorities. This process will have to commence immediately, and will require the full cooperation of all Faculties, support and administrative departments.

Discussion of the budget proposal was intense. Several members of the Board were of the opinion that the quality of services offered at this institution and the high standards maintained in the past could no longer be expected with funding that was clearly inadequate. In the President's words, this budgetting policy "borders on irresponsibility." The student representatives deplored the radical nature of the measures contained in the budget proposal, although they recognized fully the need for such measures. These representatives did not merely address themselves to the likely consequences of a ten percent rise in tuition fees, but considered in depth the hardships that would result, in every quarter of the University, from the minimal increase in the operating budget announced by the provincial government. The Board also permitted briefs from two delegations, the Committee to Oppose Tuition Increases and the Federation of Alberta Students. Both delegations argued against the provincial government's stand with the utmost vigor and sincerity, again concentrating not merely on the proposed fee increases but also on the inevitable consequences of such a harsh proposal. The Committee to Oppose Tuition Increases also suggested that the University close down its operations on 15 March, from 12 noon until 5 p.m., to join in a protest against the provincial government's inadequate funding policies. The Chairman of the Board, however, pointed out that it was not within the Board's jurisdiction to endorse or reject such action.

Representatives of the academic staff and the University's administration were no less vocal in their consideration of the University's plight. The general tax to be levied on all accounts save salary accounts was viewed as "harsh", "arbitrary", but also "necessary." In addition, it was pointed out that students were, in essence, being required to pay more for a product whose quality was diminished.

The Board of Governors, however, accustomed more to employing the moderation of Solon than the rigor of Draco, was placed in the invidious position of essentially agreeing with the "cry of desperation" voiced by one member of the academic staff, but, at the same time, being compelled to bring down a budget notable for its severity. The Board reluctantly gave approval to the recommendations of the Finance Committee.

BOARD OF GOVERNORS

The regular meeting of the Board of Governors was held on Friday, 3 March. The following topics were among those discussed.

Board Building Committee

The Board Building Committee recommended to the Board approval of major renovations to the eighth floor of the Medical Sciences Building for the purpose of establishing a Microbial Contamination Control Facility (Medical Research Council Level 'D'). In this facility the MRC Group in Immunoregulation, under the direction of E. Diener, Professor and Chairman of the Department of Immunology, will carry out recombinant DNA molecular research. Under the terms of the Agreement between the Medical Research Council and the University of Alberta concerning the support of the MRC Group in Immunoregulation (29 August 1977), the University is obliged to provide such a containment facility. No work, however, requiring containment levels 'C' and 'D' as specified in the MRC's *Guidelines for the Handling of Recombinant DNA Molecules and Animal Viruses and Cells* (1977) may be performed outside the appropriate containment facilities.

The Board approved the recommendation and the expenditure of some \$415,000 for the renovations, of which \$300,000 is to be allocated from the capital budget, \$95,000 as a matching grant from the 3AU fund, and \$20,000 from the capital renovations budget. The University will further provide \$40,000 for equipment for the Group. The Medical Research Council has already allocated \$443,218 in support of the Group for the period 1 July 1977 to 31 March 1978 and, for the period 1 April 1978 to 30 June 1980, salaries for members of the Group and an operating and equipment grant of \$342,562 per annum.

On the recommendation of the Building Committee, the Board also approved the allocation of \$2,272,000 for the construction of the structural shell of Phase VIII of the Service Corridor Extension from the University Heating Plant to the south wall of the Health Sciences Centre Redevelopment Phase I Stage I.

Academic Concerns Committee

The Academic Concerns Committee recommended and received Board approval for admission quotas for 1978-79 in accordance with the following schedule. The quotas shown are identical to those approved for 1977-88.

Acting and Design Program in Drama	20 (1)*
Agriculture and Forestry	210 (1)
Business Administration and Commerce	210 (1)
	200 (T)

Dental Hygiene	40 (1)
Dentistry	50 (1)
Engineering:	
Chemical	55 (2)
Civil	95 (2)
Electrical	95 (2)
Mechanical	95 (2)
Mineral	50 (2)
Law	175 (1)
Library Science	35 (1)
Medical Laboratory Science	36 (1)
Medicine	118 (1)
Nursing:	
Post RN	72 (1)
Four-year program	54 (1)
Occupational Therapy	30 (2)**
Pharmacy	130 (1)
Physical Education and Recreation	180 (1)
Physical Therapy	40 (2)**
Speech Pathology and Audiology	25 (2)**
* (1): first-year students; (2): second-year students;	
(T): transfers.	
** Admission into these programs is in the second year.	

Task Force to Review Students' Contributions to the Costs of Post-Secondary Education

The Board received for information material from R.D. Grantham, Chairman of the Minister's Task Force to Review Students' Contributions to the Costs of Post-Secondary Education, concerning the aims of the Task Force.

Some of the questions to be considered by the Task Force are:

1. Is the receiving by a student of post-secondary education (at College, University, Technical, Vocational Institutions) a *right* or a privilege?
2. Is the present student-fee structure reasonable? (A student now pays approximately—on the average—\$1 for each \$7 paid by the tax payer.)
3. What rationale should be used to justify an increase in students' fees? Cost of living increase?
4. Should a student pay any part of the cost of post-secondary education? Total cost paid by taxpayer? By business?

These and other questions concerning, for example, the value of post-secondary education to the student and to society, the responsibilities and primary objectives of institutions offering such educational opportunities, and the factors that determine a student's desire for such education, are to be discussed at public meetings to be held throughout Alberta during the next three months.

Finance Committee

The major concern in the report of the Finance Committee was the presentation for Board approval of the *Preliminary Operating Budget, 1978-79*. For a more detailed review of this budget, please refer to the article on pages 1 and 3 of this edition of *Folio*.

MICROBIAL CONTAMINATION CONTROL CENTRE

At its regular meeting held last Friday, 3 March, the Board of Governors approved the establishment of a Microbial Contamination Control Facility of some 196 m² on the eighth floor of the Medical Sciences Building. This facility, which will contain room for support equipment, two small laboratories, and an equipment room will allow the Medical Research Council Group in Immunoregulation to carry out sophisticated research by use of the new techniques involving recombinant DNA molecules.

Because of the nature of the proposed research however, the facility must meet the very stringent guidelines laid down by the Medical Research Council for the containment of microorganisms and for the security of the personnel employed within the facility. Thus the facility, which is to be classified at MRC Level 'D', will exhibit in its design, construction, and operation several features of outstanding interest.

Within the facility the air pressure will be lower than that of the surrounding environment, thus inhibiting the escape of particles which might be considered deleterious. Also, air entering and leaving the facility will be filtered to remove particles ranging in size down to 0.3 microns with an efficiency level of at least 99.99 percent. In addition, the air pressure inside the facility will be subject to constant changes which will allow the area to be swept clean of any contaminated particles suspended in the air. For the same reason the two entrances to the facility will incorporate double door air locks and the outer wall will be sealed to provide a primary and a secondary barrier between the facility and the surrounding area. Inside the research area a raised computer-type floor and a suspended drywall-type ceiling will be installed to provide secondary barriers and access for services, ducts, and utilities.

A system for the treatment of liquid waste will also be provided. These wastes will be sterilized by heated steam before they are removed through the facility's drainage system. In the unlikely event of any failure in this treatment system, which will be entirely automatic, the water supply to the research area will be shut off. The waste treatment system has also been designed in such a way that a variety of treatment cycles may be employed including the addition of chemical treatment if required.

Between the facility and the existing wash-up area there will be a double steam sterilizer to allow materials to be removed for disposal after they have been properly sterilized. An

interlock device is to be placed on the sterilizer to eliminate direct access between the laboratory area and the exterior of the facility. To facilitate communication between these areas an intercom system will also be installed.

There are, of course, many other specialized devices and systems that are necessary for such a laboratory facility to meet the requirements established by the Medical Research Council for security and containment. For example, the area will be monitored constantly for failure of vital equipment or fire; emergency power will be supplied to all equipment whose failure could affect the security of personnel within the facility or cause contamination of the surrounding environment. Also, ultra-violet lighting will be provided throughout the area to enhance the decontamination of surfaces when they are not in use.

For further information on the research to be carried out in the Microbial Contamination Control Facility and the Facility itself, please refer to the synopsis of topics discussed at the meeting of the Board on 3 March included in the current edition of *Folio*.

WOMEN'S WEEK—13 TO 17 MARCH

The Academic Women's Association and the Office of Student Affairs is presenting a week of lectures, panel discussions, and theatrical presentations about women, at university, in careers, and in society. All events are free, and everyone is welcome.

13 March, Monday

12 noon. "Curses, Foiled Again—notes on those delicate days of the month that all men experience," a lecture by Shari Dalton of the Department of Zoology. 142 Students' Union Building.

12:30 p.m. "Insights—a dramatic presentation about women and some of the things that life hands them." Women's Theatre Group of Edmonton. 142 Students' Union Building.

14 March, Tuesday

11:30 a.m. "Oh Pardon Me, I Forgot There Were Ladies Present," a panel discussion by four students on the experience of women students in male-dominated faculties: Pat Wright, Law; Carol Adkisson, Engineering; Marjorie Arndt, Agriculture and Forestry; Shelagh Hamilton, Medicine; moderated by Jean K. Lauber, Associate Vice-President (Academic). Meditation Room, Students' Union Building.

3 p.m. "Something to fall back on—the experience of women in graduate school," a

lecture by Gladys Symons of the Sociology Department, University of Calgary. 142 Students' Union Building.

15 March, Wednesday

12 noon. "Has the Women's Movement made any difference here?—female enrolment patterns at the University of Alberta," with Ruth Groberman, Student Affairs, and Nim Mehra, Institutional Research. 142 Students' Union Building.

12:30 p.m. "Where are they now?—the decline of women's groups on campus and its implications for the growth of the individual woman student," with speaker Isabel Munro, former Dean of Women. 142 Students' Union Building.

7:30 p.m. "Where life leaves off and fiction begins," a lecture by Canadian author Marian Engel. TL-12 Tory Building.

16 March, Thursday

11:30 a.m. "Domestic lifestyles and the law," a discussion presented by Student Legal Services. Meditation Room, Students' Union Building.

17 March, Friday

12 noon. "Insights," a dramatic presentation. Women's Theatre Group of Edmonton. 142 Students' Union Building.

12:30 p.m. "How to combine career and home-life and live to tell the tale," a practical discussion in small groups. 142 Students' Union Building.

CLASSES CANCELLED FOR PROTEST DEMONSTRATION TO LEGISLATURE

General Faculties Council voted in its meeting of 6 March to cancel classes and labs from noon until 5 p.m. on Wednesday, 15 March, to permit students and faculty to participate in a protest march to the Legislative Building.

The march is being organized to demonstrate concern about reduced funding to post-secondary education by the provincial government and to protest increases in tuition fees necessitated by reduced funding to the University.

Nick Cooke, speaking for the Committee to Oppose Tuition Increases and Cutbacks, said that the protest was "not just students opposing a tuition fee increase," but rather "students opposed to government spending policies resulting in cutbacks to universities," which amount to "an attack on the quality of the University."

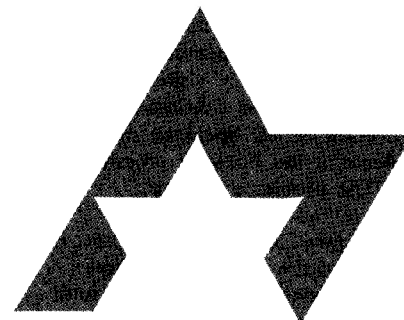
Student member Randy Read stated that there would definitely be a demonstration by students on the afternoon of 15 March, but that to have credibility, their march "must be officially sanctioned by the

University, to show that the University cares about inadequate government support." "This is still a good University," he said, "but it won't be in a few years if there are more cutbacks. . . . The public doesn't know what this University is going through."

Some staff members pointed out that protest marches seemed to have little impact on the present government, that "normal channels" of briefs, letters, and representation to individual members of the Legislature and to the regional caucus were more efficacious. However, student members declared that the demonstration was a means of increasing public awareness of the inadequacy of provincial funding to universities and a starting point for a "sustained campaign uniting students and staff" to continue their protest through letters, briefs, and lobbying.

Council passed the resolution 52 to 24.

President Gunning announced that he intended to participate in the protest march himself.



METRIC NOTES

In the United States, educational aids to assist younger children understand the intricacies of SI have become highly sophisticated. An example of such sophistication was provided recently in *Metric Reporter* 6(3) for 3 February. In this bulletin of the American National Metric Council the reader's attention was drawn to a new product of the Walt Disney Educational Media Company, *Disneyland Magical Metrics Tour*.

This educational package, which includes four colour and sound filmstrips, a wall chart, a colour aerial map of Disneyland, and a teacher's guide, contains introductory lessons in measuring time, mass, length, and temperature. Accompanied by four puppets (Mr Meter, Lily Liter, Kid Celsius, Granny Grams) young children visit Main Street,

USA, Adventureland, Tomorrowland, and Fantasyland. The children are introduced to metric concepts at every stage of their journey. They climb the Matterhorn to assess the temperature at its summit and also ascertain the mass of Winnie the Pooh's honey pot.

Disneyland Magical Metrics Tour, which is described as a "total immersion program," is available on a thirty day free examination basis from Walt Disney Educational Media Company, 500 South Buena Vista Street, Burbank, California 91521.

[For the prizewinners in the Departments of Elementary Education and Zoology of Folio's "Spot the Metric Mistake" competition, we must point out that the spellings of the metric terms given above are those employed by the American National Metric Council in its publication *Metric Reporter*.]

PEOPLE

■ B. Korda of the Department of Economics presented a paper on 18 February at the Western Slavic Conference Meeting in Reno, Nevada. The topic of Professor Korda's paper was "Czechoslovakia's economy ten years after Dubcek."

■ D.I. Crossley, former member of the University Senate, recently visited the University as part of the continuing Forest Industry Lecture Series. Speaking mainly to senior students in the Forestry program, his topic was "The problems of forest management in the Canadian scene." Mr. Crossley, now an active consultant, is a former winner of the Canadian Institute of Forestry Achievement Award. Up until the time of his recent retirement, he was Chief Forester for North Western Pulp and Power Ltd.

■ Gwynn Nettler, Professor of Sociology, gave a lecture last month at the University of Victoria. His topic was "Thinking about the future," and he examined public attitudes toward the future, attempts to foresee futures, and obstacles to accurate forecasts.

NOTICES

Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary

CIDA Meeting Postponed

The meeting with Archibald R. MacKinnon, special advisor to the education resource branch of the Canadian International Development Agency, scheduled for 8 p.m.



APPOINTMENTS

Erwin Diener has been re-appointed as Chairman of the Department of Immunology effective 1 September 1978. Dr. Diener was born in Switzerland and gained his PhD at Zurich. He came to this University in 1970 and was selected to chair the Department of Immunology in 1973. Dr. Diener is currently director of the Medical Research Council Group in Immunoregulation which is conducting research at this campus.



Fu-Shiang Chia has been appointed Chairman of the Department of Zoology with a term of office effective from 1 July 1978 to 30 June 1983. Dr. Chia received his BSc degree in 1955 from the Taiwan Normal University, his MSc in 1962 and PhD in 1964 from the University of Washington. He has been the recipient of a variety of research awards and has held research and teaching positions in Great Britain, Denmark, the United States, and Canada. A Canadian citizen, Dr. Chia was first appointed to the University of Alberta staff in 1969. A major item in the research he is currently undertaking concerns the settlement and metamorphosis of marine invertebrate larvae. This research is supported by a National Research Council grant of \$60,000.

on 20 March in University Hall, has been postponed.

Lecture Cancelled

The lecture entitled "Ukrainian-Canadian Newspaper holdings in Canada," by Frances Swyripa has been cancelled. The talk was originally scheduled to take place on 16 March at 12:30 p.m. in 311 Athabasca Hall.

Technical Communication Meeting

The Society for Technical Communication will meet on 15 March at 8 p.m. in 134 Industrial Arts Laboratory Building. The meeting will feature a demonstration by Video Pack Ltd. of new lightweight television equipment and instruction on planning, writing, and production techniques required for this equipment. Non-members of the Society are welcome. For further information telephone 432-3668.

General Faculties Council Committee Vacancies

The GFC Nominating Committee is seeking nominations for one member of the academic staff to be elected by GFC to serve on the Selection Committee for a Chairman of the Department of Physical Education. Those who have suggestions or who are interested in serving on this Committee are requested to contact the Secretary of the Nominating Committee, 2-1 University Hall, telephone 432-4715. It would be appreciated if a brief vita could accompany any nomination.

Hockey Finals at University Arena

The Canada West University Hockey Finals

will be held at the University Arena on 10, 11 and 12 March.

Alberta's Golden Bears will play the University of British Columbia's team. Advance tickets are available at the HUB Box Office, Mike's Ticket Office, and WL-34 Physical Education and Recreation Centre. Admission is \$3.50 regular and \$2.50 for students and children.

Bookstore Closes for Inventory

For the purpose of taking inventory, the Bookstore will close at 5 p.m. on 29 March. Regular business will be underway again on 3 April at 8 a.m.

Computing Machinery Meeting

The Alberta Chapter of the Association for Computing Machinery will be holding a meeting on 13 March at 8 p.m. in Lecture Theatre 2-3 Mechanical Engineering Building. Robert L. Glass, research and development specialist with the Boeing Aerospace Company and observer of computing since the mid-fifties, will speak on computing projects which failed. The meeting should be interesting for everyone, regardless of their computer background, and everyone is welcome.

Can You Tell Me Your Name

Members of the Department of Speech Pathology and Audiology, have been engaged for the past two weeks in the production of a film which aims at depicting the psychological frustrations of stutterers in a verbal environment. The film is entitled "Can you tell me your name?" and is scheduled for showing on CFRN's

*Invitation
to apply*

Emil Skarin Memorial Fund

Applications are invited to the Emil Skarin Memorial Fund Committee of the University Senate for a 1978 project or projects worthy of financial support amounting to \$5,000 from the Fund.

Projects must be of some value to the public as well as to the University of Alberta, be consistent with the general aims and purposes of this University, and not normally be funded by it. Preference will be given to projects with an emphasis on the humanities and the arts, but there are no restrictions on the nature of eligible projects.

Project proposals should include objectives, schedule, budget, procedures for organization and evaluation. Application forms are available on request, and fully completed applications should be sent before April 1, 1978 to:

Chairman,
Emil Skarin Memorial Fund Committee
The Senate
University of Alberta
Edmonton, Alberta
T6G 2G8

"Eye to Eye" program on 29 March. The film is produced by Allan Bibby, and Melanie Moore, a fourth year student in the Department, and Einer Boberg, Associate Professor, are acting as professional consultants. Anyone wishing further information should contact the Producer, telephone 432-4969, Melanie Moore, telephone 433-9726, or Einer Boberg, telephone 432-5988.

Hoffman-LaRoche Lecture

The annual Hoffman-LaRoche lecture sponsored in cooperation with the Nutrition Society of Canada, will be presented in Edmonton this year. The lecture, titled "Megavitamin therapy—its current status," will be presented by Victor Herbert on 15 March at 8 p.m. in TLB-1 Tory Building.

Dr. Herbert is Chief, Hematology and Nutrition Laboratory, Bronx Veterans Administration Hospital, and Professor of Medicine at the Downstate Medical Centre in Brooklyn, New York. Dr. Herbert received the McCollum Award of the American Society for Clinical Nutrition in recognition of his outstanding clinical research in nutrition. He has testified before Senator Edward Kennedy's health subcommittee in the United States regarding megadose vitamin therapy.

All those who are interested are invited to attend.

Young Professionals Program

The World Bank will soon be recruiting postgraduate students of Canadian nationality or landed immigrant status for its Young Professionals Program. Faculty members are asked to recommend interested students who are of high quality and who may be suitable for bank work. The next two dates for selection of candidates for the Program will be in April and October. For further information and application forms contact Terry Krissie, Office of Student Affairs, 225 Athabasca Hall, telephone 432-5396.

Dental Hygiene Clinic

The School of Dental Hygiene is accepting adults and children for oral prophylaxis (teeth cleaning). There will be a nominal fee. For appointments please telephone 432-4151.

Pension Plan Amendments

A brochure describing two recent amendments to the Public Service Pension Plan has been mailed to all full-time non-academic staff and to the academic staff who participate in the Plan. The first change relates to an increase in the cost of establishing certain types of prior service as pensionable service unless it is paid for prior to 1 January 1979 or regular payments have begun prior to that date.

The second change relates to a broadening

of the definition of surviving spouse to include a common-law spouse under certain circumstances. However, in order to qualify for the special benefits payable to a surviving spouse under the Plan, the spouse must be the designated beneficiary.

Extra copies of the brochure and Designation of Beneficiary forms are available on request from the Pension Plans Division, Office of the Comptroller.

Data Library Directory Available

A printed catalogue of the University's machine-readable datasets is now available for reference at the following locations: Rutherford Library; Cameron Library, Government Publications Section; and the Political Science Reading Room, 12-15 Tory Building.

The Data Library is a registry of all machine-readable datasets on the campus, and in some cases, it maintains the datasets. Materials in the Library cover a range of subjects which include political science, geography, medicine, and many others. Reference services are also provided by the Data Library.

The Data Library catalogue may be searched through its keyword index which describes the data base by using the Library of Congress or Natural Language descriptors. The combined keyword index provides entries to the Data Library Directory, and the Directory itself is arranged alphabetically by the dataset title.

For further information on the Data Library contact Jana Lamont, 319B General Services Building, or telephone 432-2261.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. Thursday one week prior to publication. Written notification is preferred.

9 MARCH, THURSDAY

Cinematheque 16

7:30 p.m. *Edvard Munch* (Norway, 1976). Directed by Peter Watkins and starring Geir Westby and Gro Fraas. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Grad House

Thursday Night at the Grad House. Open 8 p.m. to 12 midnight. Refreshments available.

Spring Concert

8:15 p.m. University of Alberta Mixed Chorus presents a Spring Concert. Students'

Union Theatre. Admission is \$2. Tickets available from the HUB Ticket Office, Mike's, and from members of the Chorus.

Explorations VI

8:30 p.m. The Department of Music offers its final concert of the season which includes works by Bach, Orlando di Lasso, and Palestrina. These works will be performed by Claude Kenneson, the University of Alberta Choir under the direction of Larry Cook, and a wind ensemble conducted by Professor Kenneson. After the intermission the University of Alberta Jazz Quartet will perform works by Charlie Parker, Miles Davis, Sonny Rollins, and others. Provincial Museum Auditorium. Admission is free.

10 MARCH, FRIDAY

Faculty Club

Downstairs. Northern light buffet: grilled arctic char, sauce béarnaise, baked stuffed potato, fresh vegetable, salad bar, blueberry tart, \$5.50.

Upstairs. Welsh night: leek soup, roast lamb with mint sauce or red currant jelly, green peas, baby carrots, salad, trifle, \$7.95. Regular dining in Papachase only. Reservations required. Entertainment: Saint David's Welsh Male Choir.

Citadel/National Film Theatre

7 p.m. and 9:30 p.m. *Cromwell*. Zeidler Hall, Citadel Theatre Complex. For ticket information contact the Citadel Box Office, telephone 425-1820.

Cinematheque 16

7:30 p.m. *Edvard Munch* (Norway, 1976). Directed by Peter Watkins and starring Geir Westby and Gro Fraas. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Spring Concert

8:15 p.m. The University of Alberta Mixed Chorus offers a Spring Concert. Students' Union Theatre. Admission is \$2. Tickets may be obtained at the HUB Ticket Office, Mike's, and from Chorus members.

Observatory Tours

8:30 p.m. Observatory tours and observation of the night sky (weather permitting). Physics Building. Admission is free but reservations are required. For further information and reservations, telephone 432-4201.

11 MARCH, SATURDAY

Faculty Club

Downstairs. Saturday buffet: grilled lamb chops, salad bar, fresh vegetables, scalloped potatoes, dessert table, \$5.50.

Upstairs. Chef's special: minestrone soup, romaine salad, tournedos cordon rouge, fresh vegetable, banana cake, \$7.95. Also regular dinner menu. Reservations required.

Sooth-Side Folk Club

8 p.m. Fraser Bruce performs traditional and contemporary British folk songs. Orange Hall, 104 Street and 84 Avenue. Admission is \$3 for members and \$3.50 for non-members. For ticket information contact 475-1042.

Spring Concert

8:15 p.m. A concert presented by the University's Mixed Chorus. Students' Union Theatre. Cost of admission is \$2. Tickets are available at the HUB Ticket Office, Mike's, and from members of the Chorus.

Ensemble Vocal Michel Gervais

8:30 p.m. The Ensemble Vocal Michel Gervais performs the *Stabat Mater* of Pergolesi and Durufle's *Requiem*. All Saints Anglican Cathedral.

Student Cinema

Midnight. *Tunnelvision* (United States, 1976). Directed by Brad Swirnoff and Neil Israel. Starring Phil Procter, Howard Hesseman, Ernie Anderson, and Edwin Anderson. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door.

12 MARCH, SUNDAY

Student Cinema

2 p.m. *Yellow Submarine* (Great Britain, 1968). Directed by George Dunning. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

Cinematheque 16

2 p.m. *Edward Munch* (Norway, 1976). Directed by Peter Watkins and starring Geir Westby and Gro Fraas. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Biblical Film Series

2 p.m. *The Robe*. Provincial Museum. Admission is free.

Symphonic Wind Ensemble

3 p.m. A concert by the University of Alberta Symphonic Wind Ensemble under the direction of Fordyce Pier. Convocation Hall. Admission is free.

Student Cinema

7 p.m. and 9:30 p.m. *The Man Who Would Be King* (United States, 1975). Directed by John Huston and starring Sean Connery and Michael Caine. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

Miskey Chamber Ensemble

8 p.m. Featuring Neil Miskey, Janice Waite,

and Elizabeth Morris. Convocation Hall. Admission is free.

13 MARCH, MONDAY

Citadel/National Film Theatre

7 p.m. *The Night of the Iguana*. Zeidler Hall, Citadel Theatre Complex. For ticket information contact the Citadel Box Office, telephone 425-1820.

Chamber Music Recital

8 p.m. Featuring students of Professor Brauss. Convocation Hall. Admission is free.

Edmonton Film Society

8 p.m. *Freaks* and *The Black Cat*. TL-11 Tory Building. Series tickets available at the HUB Box Office, Woodward's, and at the door.

14 MARCH, TUESDAY

Senior Recital

8 p.m. Mary Louise Burke, mezzo-soprano. Convocation Hall. Admission is free.

15 MARCH, WEDNESDAY

Citadel/National Film Theatre

7 p.m. and 9 p.m. *Godspell*. Zeidler Hall, Citadel Theatre Complex. For ticket information contact the Citadel Box Office, telephone 425-1820.

Senior Recital

8 p.m. Robin Speers, trumpet. Convocation Hall. Admission is free.

Edmonton Film Society

8 p.m. *Singin' In the Rain* (United States, 1952). TL-11 Tory Building. Series tickets available at the HUB Box Office, Woodward's, and at the door.

16 MARCH, THURSDAY

German Film

7:30 p.m. *Nosferatu*. 17 Arts Building. Admission is free.

Cinematheque 16

7:30 p.m. *On The Beach* (United States, 1959). Directed by Stanley Kramer and starring Gregory Peck and Ava Gardner. Downstairs, Edmonton Art Gallery. Tickets available at the door.

Citadel/National Film Theatre

7 p.m. and 9 p.m. *Murder By Death*. Zeidler Hall, Citadel Theatre Complex. For ticket information contact the Citadel Box Office, telephone 425-1820.

The Original Cast

8 p.m. The Original Cast in concert. Students' Union Theatre. Admission is \$4. Tickets available at the HUB Box Office and Woodward's Ticket Office.

Grad House

Thursday Night at the Grad House.
Open 8 p.m. to 12 midnight. Refreshments available.

Class Recital

8 p.m. Featuring the students of David Hoyt. Convocation Hall. Admission is free.

Electronic Music

8:30 p.m. New electronic and instrumental music by Bayley, Berg, Constant, Hartwell and Wolf. Centennial Library Theatre.

Edmonton Symphony Orchestra

8:30 p.m. The Edmonton Symphony Orchestra performs with James Keen, violinist. Jubilee Auditorium. For ticket information, contact the Symphony Box Office, telephone 433-2020.

17 MARCH, FRIDAY

NASA House

4:30 p.m. "Happy Hours" at the NASA House. Cash bar, light snacks, and dancing. For members of the non-academic staff and their guests.

Grad House

Friday Night at the Grad House. Open 4 p.m. to 6 p.m. and 8:30 p.m. to midnight. Refreshments available.

Faculty Club

Downstairs. Buffet: prime rib of beef, baked ham, salad bar, fresh vegetable, baked potato, dessert table, \$5.50.
Upstairs. University Ball: shrimp brochette, caesar salad, beef wellington, baked stuffed potato, broccoli, dessert table, cheese board, \$16 (includes dinner and wines). Entertainment; Lapel and Company.

Citadel/National Film Theatre

7 p.m. and 9:15 p.m. *Brother Sun, Sister Moon.* Zeidler Hall, Citadel Theatre Complex. For ticket information contact the Citadel Box Office, telephone 425-1820.

Cinematheque 16

7:30 p.m. *Odd Man Out* (Great Britain, 1947). Directed by Carol Reed and starring James Mason and Kathleen Ryan. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Senior Recital

8 p.m. Jill Ridley, soprano. Convocation Hall. Admission is free.

Student Cinema

8 p.m. *The Other Side of Midnight* (United States, 1977). Directed by Charles Jarratt and starring Marie-France Pisier and John Beck. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

Edmonton Symphony Orchestra

8:30 p.m. The Edmonton Symphony Orchestra performs with James Keene, violinist. Jubilee Auditorium. For ticket information contact the Symphony Box Office, telephone 433-2020.

Observatory Tours

8:30 p.m. Observatory tours and observation of the night sky (weather permitting). Physics Building. Admission is free, but reservations are required. For further information and reservations, telephone 432-4201.

Edmonton Jazz Society

11:30 p.m. The Charlie Austin Quartet. The Hot Box. Admission is \$5 for members and \$6 for non-members. Tickets available at the door.

18 MARCH, SATURDAY

Faculty Club

Downstairs. Saturday buffet: pepper steak à la Dutch, salad bar, dessert table, \$5.50. buttered noodles, dessert table, \$5.50.
Upstairs. St. Patrick's Dinner: shrimp and corn chowder, limerick salad, rack of lamb, potato dumplings, baby carrots, soda biscuits, Emerald Isle parfait, \$12. Also lobster Newberg, \$15. Reservations required. Entertainment: Lapel and Company.

Student Cinema

8 p.m. *The Other Side Of Midnight* (United States, 1977). Directed by Charles Jarrett and starring Marie-France Pisier and John Beck. Students' Union Theatre. Tickets available at the HUB Box Office and at the door.

Recital of Lenten Music

8 p.m. Featuring students from the studio of Mrs. Aikman. Convocation Hall. Admission is free.

Edmonton Jazz Society

11:30 p.m. The Charlie Austin Quartet. The Hot Box. Admission is \$5 for members and \$6 for non-members. Tickets available at the door.

EXHIBITIONS AND PLAYS

Students' Union Art Gallery

From 10 March. An exhibition of work by the 1978 BFA graduating class.

Provincial Museum

Continuing. Ukrainians in Canada: their beautiful dream," an exhibit from the Ukrainian Arts and Crafts Museum in Saskatoon.
Continuing. "Preserving Alberta's Public Records," an exhibition indicating the extent and variety of government material preserved by the Provincial Archives.

Latitude 53 Gallery

To 15 March. "Windows and Faces, Figures and Spaces," an exhibition of the drawings, watercolors, and paintings by Eva Diener.

Edmonton Art Gallery

To 17 March. An exhibition of serigraphs and paintings by Peter Shostak.
Continuing. An exhibition of the work of Gathie Falk.
Continuing. "Peter Hide: Recent Sculpture," an exhibition of work done by the artist during the last year.
Continuing. Art Off the Picture Press: Tyler Graphics Ltd., an exhibition of the graphics from the Tyler Workshop of Bedford Village, New York.

Rice Gallery

Continuing An exhibition of the drawings of set and costume designs by Phillip Silver.
To 11 March. An exhibition of the paintings of Margaret Mooney. Rice Gallery, Citadel Theatre Complex.

University Art Gallery and Museum

From 10 March. "Creative Clothing," an exhibition of the winning entries of the Creative Clothing Contest to be held on 4 and 5 March at the Jubilee Auditorium.
To 15 March. "MC = E²," an exhibition of James Klosty's photographs of the Merce Cunningham Dance Company.

Centennial Library

Continuing. An exhibition of oil sketches and paintings by Bob Dmytruk. Foyer Gallery.
Continuing. An exhibition of the photography of Richard I. Gustin. Photography Gallery.

Queen Elizabeth Planetarium

Continuing. "The Ice Age Cometh," a show that looks at disrupted weather patterns and attempts to discover what is wrong with our weather. Show times are 8 p.m. Tuesday through Friday and 3 p.m. and 8 p.m. on weekends. For further information, telephone 455-0119.

Theatre Francais d'Edmonton

From 14 March. Francis Veber's *l'Enlèvement.* Directed by Mario Martin and Doris Friolet. Rice Theatre. For ticket information and show times contact Citadel Box Office, telephone 425-1820.

Citadel Theatre

To 11 March. David Rudkin's *Ashes.* Directed by Tom Kerr. Rice Theatre.
From 15 March. Tennessee Williams' *The Night of the Iguana.* Directed by Malcolm Black and designed by Phillip Silver. Shocter Theatre. For ticket information and show times contact the Citadel Box Office, telephone 425-1820.

Walterdale Theatre
Continuing. Billie Liar. Directed by
Jim Dougall. For ticket information and
show times, telephone 424-0121.

LECTURES AND SEMINARS

9 March, Thursday
Law School Forum
11 a.m. "Recent allegations levied against the
RCMP," with speaker Elmer McKay,
Member of Parliament. 231-237 Law Centre.

Walter C. MacKenzie Lectures
12:30 p.m. "The complement system and
self-nonsel self recognition," with speaker
A.C. Allison of the Clinical Research Station
at Harrow. University Hospital Amphitheatre.

Ukrainian Studies Seminar
12:30 p.m. "Profile of Ukrainian dissidents,"
with speakers James Carter and Bohdan
Krawchenko. 311 Athabasca Hall.

Anthropology/Slavic Languages Lecture
2 p.m. "Meaning/text models in linguistic
analysis," with speaker Igor Mel'chuk of
l'Université de Montréal. 14-6 Tory Building.

Canadian Association of Physicists Lecture
3 p.m. "Energy from the Sun and the nucleus,"
with speaker J.S.C. McKee of the Cyclotron
Laboratory at the University of Manitoba.
V-120 Physics Building.

Interdisciplinary Information Seminar
4 p.m. The sixth in a series of talks. This
week's speaker is J.P. Das of the Centre for
the Study of Mental Retardation. 14-6 Tory
Building.

Walter C. MacKenzie Lectures
4 p.m. "The role of purines in lymphocyte
metabolism," with speaker A.C. Allison of
the Clinical Research Station at Harrow.
126 Physics Building.

Classics Seminar
4 p.m. "Recent archaeological research in
Western Iran," with speaker S. Brown.
1-8 Humanities Centre.

Entomology Seminar
4 p.m. "An introduction to the Gyrophaenines
(staphylinidae; aleocharinae), a group of
obligate mushroom inhabiting beetles," with
speaker S. Ashe. 62 Athabasca Hall Annex.

Edmund Kemper Broadus Lectures
4 p.m. "The search for a subject," with
speaker John Lauber. The second lecture of
the series "The modern revolution: poetry
and the arts, 1912-1922." L-3 Humanities
Centre.

Introductory Talk
7 p.m. An introductory talk on Eckankar.
104 Students' Union Building.

Germanic/Romance Languages Lecture
8 p.m. "Julio Camba and Germany: a study
in ideology critique," with speaker Egon
Schwarz of Washington University at
St. Louis. 17 Arts Building.

10 March, Friday
Germanic/Romance Languages Lecture
10 a.m. "Herman Hesse's book reviews: their
form, aesthetics, and politics," with speaker
Egon Schwarz of Washington University
at St. Louis. 14-6 Tory Building.

Walter C. MacKenzie Lectures
11 a.m. "Mechanisms of autoimmunity,"
with speaker A.C. Allison of the Clinical
Research Station at Harrow. 2-115 Clinical
Sciences Centre.

13 March, Monday
Public Lecture
12 noon. "Quebec: the challenge to
Canada," with speaker Guy Menard. TL-12
Tory Building.

Home Economics Seminar
1 p.m. "Changing consumer trends," with
speaker Judith Marshall. 219 Home Economics
Building.

Earth and Planetary Physics Seminar
3:30 p.m. "A new and novel method of
epicentre location," with speaker Cinna
Lomnitz, Universidad Nacional Autonoma
de Mexico. P-636 Physics Building.

Public Lecture
7 p.m. "Religious education or indoctrination,"
with speaker Peter Sanders SCJ, Director of
the National Office of Religious Education
for Canadian Catholic Bishops. 102 St.
Joseph's College.

14 March, Tuesday
Physics Colloquium
3:30 p.m. "Physics of toys," with speaker
H. Levinstein, Syracuse University. V-120
Physics Building.

East European Studies Seminar
3:30 p.m. "Labor problems in the USSR:
contemporary science," with speaker
B. Krawchenko. 311 Athabasca Hall.

15 March, Wednesday
Canada and the World
12:15 p.m. "Canadians and French," with
speaker M. Kalinowski. Music Room,
Centennial Library.

Edmund Kemper Broadus Lectures
4 p.m. "The search for a language," with
speaker John Lauber. The third lecture of the
series "The modern revolution: poetry and
the arts, 1912-1922." L-3 Humanities Centre.

National Research Council
Anthropology Lecture
7:30 p.m. "Royal Navy and Indian farmers:
the pollen connection," with speaker

H. McAndrews of the Royal Ontario Museum.
TB-45 Tory Building.

Tournee Ouest 1978
8 p.m. "Le Manitoba ne répond pas," (film)
with speaker Raymond Gauthier, film
producer. Collège Universitaire Saint-Jean.

Hoffman-LaRoche Lecture
8 p.m. "Megavitamin therapy—its current
status," with speaker Victor Herbert, Chief,
Hematology and Nutrition Laboratory,
Bronx Veterans Administration Hospital.
TLB-1 Tory Building.

16 March, Thursday
Edmund Kemper Broadus Lectures
4 p.m. "Accomplishment: the new aesthetic
and *The Waste Land*," with speaker John
Lauber. The fourth lecture of the series
"The modern revolution: poetry and the arts,
1912-1922." L-3 Humanities Centre.

Interdisciplinary Information Seminar
4 p.m. The seventh in a series of talks. This
week's speaker is A.S.A. Mohsen of the
Division of Community Development.
14-6 Tory Building.

Entomology Seminars
4:30 p.m. "Forest and subalpine forms of the
ground beetle *Elaphrus Americanus*.
Differentiation of continuous populations
across a sharp environmental gradient?" with
speaker H. Frania. 62 Athabasca Hall Annex.

Mediaeval and Renaissance Studies
8:15 p.m. "The astrolabe," with speaker
John Hault of the Planetarium. 3-19
Humanities Centre.

17 March, Friday
Public Lecture
11 a.m. "The Belgrade Conference:
prospectives," with speaker Robert P. Cameron
of the Department of External Affairs.
14-6 Tory Building.

NON-CREDIT COURSES

HEMATOLOGY

A course on hematology for general
practitioners will be held at the University
on 16 and 17 March. The program will
include sessions on anticoagulant drugs in
general practice, congenital coagulation
disorders, iron deficiency anemia, and
investigation of anemia. The fee for the
course is \$60 and registration forms are
available from the Division of Continuing
Medical Education, 12-103 Clinical Sciences
Building, University of Alberta, Edmonton,
Alberta, T6G 2G3.

SURGICAL THINKING

Current surgical thinking is the theme of a
course to be held at Banff on 14, 15, and 16

Folio accepts display advertising

Size and rates: the basic unit size is 45 agate lines x 15 picas (3¼" x 2½"). The full page is divided into 9 such units, any combination of which is available at a cost of \$20 per unit. Half pages cost \$100. A professional/business card unit (2½" x 1½") is available at a cost of \$12. Discounts are offered for extended runs, please enquire.

Other specifications: half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is necessary; there is a charge of 15c per word for typesetting, and \$5 for adjustment of design work. Deadline for submission is one week prior to publication (Thursday, 4 p.m.). Acceptance of advertisements and positioning are at the discretion of the editor.

For more information please telephone 432-4991 and ask about *Folio* display advertising. Or write to:

Folio Display Advertising
University Publications Office
434-Athabasca Hall
The University of Alberta
Edmonton, Alberta T6G 2E8

March. Assessment and management of arterial injuries, initial care of the injured, road traffic accidents in Alberta, recent advances in pediatric surgery, and recent studies on stress ulceration are among the course's topics for discussion and study. The registration fee is \$130 and application forms are available from the Division of Continuing Medical Education, 12-103 Clinical Sciences Building, The University of Alberta, Edmonton, Alberta T6G 2G3.

EXCAVATIONS IN OIL SANDS

A one-day seminar on Underground Excavations in Oil Sands will be held at the University on 19 May. The seminar will have from eight to ten papers presented on topics ranging from performance of Saline Creek Tunnel to hydrogeology of the Athabasca Oil Sands with respect to underground excavation.

The \$25 fee will cover registration, a bound copy of the proceedings, and a luncheon. For further details and application forms, contact Mrs. D. Knowles, Faculty of Extension, University of Alberta, Edmonton, Alberta, T6G 2G4.

SHASTRI COURSE IN HINDI

The Department of Asian Studies, in conjunction with the Shastri Indo-Canadian Institute, will be offering an intensive, introductory course in Hindi from 4 July to 11 August. The fee for the course is \$128, and some tuition scholarships will be available. For application forms write to the Registrar, University of British Columbia, Vancouver, B.C., V6T 1W5. The deadline for receipt of completed applications is 17 April. For further information, write to the Department of Asian Studies.

UNIVERSITY ADMINISTRATORS' COURSE

A Senior University Administrator's Course will be held from 25 June to 7 July at the University of Western Ontario's School of Business Administration. The two-week program will feature several new case studies of situations faced on campuses across the country. Topics to be covered include management in the public arena, financial administration, planning and control, labour relations and organizational behavior.

The deadline for applications to the program is 31 March. Brochures and application forms may be obtained from the Office of Management Programs, School of Business Administration, University of Western Ontario, London, Ontario, N6A 3K7.

POSITIONS VACANT

ACADEMIC POSITIONS

Research Assistant

A Research Assistant is required immediately for

a breast disease project of the Departments of Biostatistics and Radiation Oncology. The applicant must have a Bachelor or Master's Degree in a medical or scientific field, and a demonstrated ability to write. The successful applicant will join a team to act as a liaison person between clinical and statistical members. Duties will include data analysis, literature review, and writing papers. Apply in writing to: Director of Personnel, Dr. W.W. Cross Cancer Institute, 11560 University Avenue, Edmonton, Alberta T6G 1Z2.

ADVERTISEMENTS

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance and are accepted at the discretion of the Editor. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodations available

Luxury two-bedroom condominium in Kihei, Maui; available from 1 April; \$35 per night for four. 478-6077; 475-7762.

For rent—1 July 1978 - 31 July 1979. Malmo, four-bedroom split-level, furnished; 1½ baths, rumpus room, two fireplaces. Major bus routes one block; near all schools; two miles to campus. \$650. 435-5433.

For sale by owner—executive bungalow in Belgravia, 71 Avenue, 116 Street. Includes three bedrooms, large living room-dining room, fieldstone fireplace, large kitchen; rumpus room with wet bar, study, extra bedroom, bathroom, utility room and workshop in basement. Double heated garage. \$95,000. 922-3807; 465-0405.

For rent—Belgravia three-bedroom house; carpeted, all major appliances. \$475. Available 1 May. 436-1881.

For sale by owner—three-bedroom townhouse, 2½ blocks off Quesnell freeway; 1½ baths, five appliances, underground parking, fireplace. \$65,000. No agents please. 432-6593.

For rent—four-bedroom Mill Creek family home. June 1978 - September 1979. \$500. 433-4687.

For sale by owner—eight-month-old condominium. Three bedrooms, 1½ baths, carpeted, two appliances included. West end. \$49,000. Telephone 487-0497 evenings.

For rent—newly decorated one-bedroom basement suite. 110 Street - 82 Avenue. \$250 monthly; damage deposit \$200. 436-2507.

Renting for summer session—fully furnished apartment; one bedroom, den, library. Rent \$628 plus \$100 damage deposit—payment in advance. Twenty minutes from University. 484-8224 after four.

For sale—Wedgewood Estate: executive country home within city limits; ravine location, custom built eight-room split level; main floor family room, utility room; fireplace, two furnaces (electronic filters), double garage. Exceptional landscaping. R. Richter 483-9432. Weber Bros. 455-4135.

For rent—1 August for one year. Four-bedroom bungalow, furnished or semi-furnished. Petrolia, near bus and school. \$450 monthly plus damage deposit. 435-1468.

For rent—large two-bedroom apartment condominium. 97 Avenue - 112 Street. Direct river view. No pets. May or June possession. \$485 monthly plus utilities. 435-6686.

For sale—excellent location. A very special two-bedroom home on quiet street within walking distance of campus. Immaculately kept 900-square-foot bungalow. Mature landscaping with many large trees, shrubs, and perennials. For viewing please telephone Faye Lund 436-4240; 436-5355. Block Bros. N.R.E.S. Ltd., 12313 63 Avenue, Edmonton, Alberta.

For sale—South Millwoods, 1,400-square-foot, 1.5-year-old bungalow in keyhole crescent; four bedrooms, sunken family room, fireplace, built-in Nutone food centre and dishwasher, garage, fully landscaped. Asking \$87,500. 462-7703.

For rent—two blocks from campus; North Windsor Park. Two-storey, four-bedrooms, three bathrooms, rumpus room, fireplace, attached garage. Completely furnished; large private backyard with elevated patio attached to house. One-year lease as of 1 July 1978. References required. Telephone 439-5336.

For rent—attractive older three-bedroom house; Mill Creek ravine area, central to campus and downtown. Furnished for younger family. 15 May to 15 December. 439-2691 evenings.

For sale by owner—three bedroom detached condominium, North Mill Woods, corner unit. Carport, fully carpeted, fenced; refrigerator, stove. Asking \$52,000. Telephone 462-2182 or 432-5805.

For rent—Sherwood Park 15 March; three-bedroom bungalow, 1½ baths, extra large kitchen, drapes, fenced yard. \$440 monthly; \$380 damage deposit. No appliances. 436-1768.

For rent—minutes to downtown and University: lovely three-bedroom home, two appliances, finished basement, single garage, excellent location. \$450 monthly. Available 1 April. 466-2319.

For sale—immaculate bungalow with two-bedroom suite. Mature trees, garage. Telephone Liz Crockford, 434-0555. Spencer Real Estate 436-5250.

Room for rent—April - September. Male non-smoker. Suit graduate student. 436-1280; 432-4178.

For sale by owner—charming two-storey, three bedrooms, patio opening to heated greenhouse, double garage; ten minutes to University. \$69,900. 453-8242 days; 454-5023 evenings.

For rent—10 June - 15 August. Furnished three-bedroom house, half block from University hospital. \$450 per month. Damage deposit. 432-0864.

For sale—321 acres or part. Unspoiled nature, conifers, wildlife from moose to mouse. Lake, creek, ponds, rolling landscape. Tall forest, some tame hay. 55 miles west of city; 53 on paved highway. Owner, 432-7145 evenings.

Accommodation wanted

Relocating? Expert and experienced advice available; free evaluation on your own home. Up-to-the-minute market advice in the south and west Edmonton areas. For personal attention telephone Liz Crockford, 434-0555; Jeanne Eid, 434-5780. Spencer Real Estate 436-5250.

Automobiles and accessories

Citroen Pallas—real classic; 1971 model; original European headlights, exceptional condition. Gleaming black. One owner. Complete service record available. Telephone Les, 451-005; 488-1601. Quality tune-ups, repairs, emergency service. Used cars. Miketon's Automotive 453-1712; 489-7041.

Goods and services

Imagine owning some Medieval imagery. Selling elegantly framed brass rubbings from England. Shown by appointment. 434-9784.

Expert thesis typing. Linda, 436-7647.

Expert typing—theses, etc. Telephone 455-0641.

Books—old and out-of-print, bought and sold. Norwood Books, 11302 95 Street. 474-4446. Ken Jackson, proprietor.

Will do typing in my home, anytime. IBM Selectric. Telephone Linda at 482-5121 or 422-1330.

Interested in having your area cleared of snow this winter? Telephone 439-3531; 462-2878.

French Immersion pre-school. Interested?

Telephone Ninele Jackson 432-7203.

Experienced typist. Variety of type styles, symbols. Quality work. 435-5006; 435-4407.

Reduced fare to Hong Kong, Tokyo, Singapore, Manila. 475-1109.

Baycrest dishwasher. Good working condition. Butcher-board top, harvest gold. \$150. 436-6099.

Excellent typist. Telephone Sandy 434-5439.

Wedding, graduation photography. Reasonable rates.

Professional service. David, 436-3750 evenings.

Teacher-mother will babysit (my home, south side).

Weekdays; any age; programmed activities. 436-9302.

Seabri Sailboats—Seaspray (15-foot catamaran) and Kolibri (12-foot monohull). 11408 58 Avenue. 434-3309.

Custom-built homes, renovations. Hoyt Homes Ltd. 432-7918; 439-9601.

Hewlett Packard (HP-25) calculator, programmable, perfect condition. Best offer. 432-6221; 487-4764.

Stove, self-cleaning, coppertone, six years old, \$200.

Scott tuner and Fisher pre-amp, tubes, monaural, \$12.

Materials for building electric, stoneware, potters kiln, \$85.

Five stud, VW rims, \$7 each.

Floor polisher \$15, 435-8219.

Custom dressmaking and designing. European

training. No patterns required. Telephone

Jacqueline, 433-4870.

Manufactured cedar log buildings, homes, cottages, commercial. Telephone 466-9883 after 5 p.m.

Leaving Canada—Teak furnishings for sale, plus miscellaneous pieces. 11, 12 March only.

Telephone 436-6852. 11239 35 Avenue.

Westinghouse built-in dishwasher. \$100 or offers. 439-2652.

Experienced proofreader and editor. Will also do literature searches, write bibliographies.

References. Sharon, 433-8202 mornings.

An Educational Holiday in Britain "The British Roots of our Tradition"

Attractive both as a holiday, and as a valuable educational background or enrichment course for the general public, as well as for educators, students and others.

Package consists of:

- 7 day course held in historic Queen's College, Oxford University—A relaxed but academically valuable course.
- 7 day tour visiting historic sites, and places of background interest to the course, in England.
- all inclusive—with meals, accommodation, airfare and transfers.
- Course Director: Mr. Harry Midgley, B.A., LL.B.

Depart Edmonton August 11, 1978—Depart London August 25, 1978 (or arrangements can be made to extend your stay for up to 45 days) \$1,495.00 per person

For further information and reservations contact:

Harold Smith Travel Service
#804, 10339 - 124 Street
Edmonton, Alberta
Phone: 482-1511



LIZ CROCKFORD

7002 - 109 STREET
EDMONTON, ALBERTA

BUS. 436-5250
RES. 434-0555
DISTACOM 426-5880 PAGE 894



JOANNE FALLOW

7002 - 109 STREET
EDMONTON, ALBERTA

BUS. 436-5250
RES. 433-5278
DISTACOM 426-5880 PAGE 3923



COME A LITTLE
CLOSER . . .

Live in old Garneau — in one of Norfolk on Whyte's 24 two-bedroom condominium homes. Featuring comfort, convenience, quality, and value — just a short walk off campus.

DROP BY TODAY
8149 - 111 ST.
432-0126 428-6993
1 - 9 WEEKDAYS
1 - 6 WEEKENDS

Strathmore

